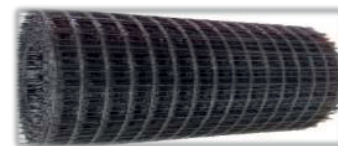




DESCRIPTION

High-strength composite reinforcement grid made of glass bars and thermosetting epoxy resin. The connection between the vertical and horizontal bars guarantees the high strength of the mesh. Strong resistance to alkalis and anti-corrosive properties are further advantages of this product. Product undergoing CE certification.



APPLICATION

This product is used as concrete reinforcement in industrial prefab production as well as reinforcement or repair of concrete already in place. FRP composite grid for reinforcing masonry and other structures in CRM systems.



PROPERTIES

Finished weight	230	g/m²	
Mesh size	99 x 99	mm	
Bars per metre	10		
Roll width	105	cm	
Bar diameter	3	mm	
Cross-section of fibre	3,66	mm²	CNR-DT 200 R1/2013
Cross-section	7,07	mm²	ISO 10406-1:2015
Tensile load at break of single bar*	from 4,0 to 5,6	kN	
Tensile load at break of grid*	from 40 to 56,6	kN/m	
Tensile strength*	from 565 to 800	MPa	
Young's modulus	50	GPa	
Elongation	2,5 x 2,0	%	

*Tensile strength values may vary over time depending on the batch of product tested. The range of values shown takes this into account.



PHYSICAL AND CHEMICAL PROPERTIES

Chemical resistance	Alkali resistant	
Operating temperature	-20/+90	°C
Glass fibre content	75	%
Thermal conductivity	0,35	W/m °C
Electrical conductivity	Dielectric	
Corrosion resistance	Not subject to corrosion	
Radio interference	Transparent radio	
Magnetic properties	Not affected by magnetic field	

This article is undergoing certification and therefore in the near future may be subject to changes in its technical and chemical characteristics

ADVANTAGES

- Excellent mechanical characteristics
- Durable, resistant to weathering
- Corrosion resistant
- Fast and easy to use
- Lightweight
- Easy and practical transport, handling and storage

PRODUCT FORMATS

Roll lengths 10, 20, 50 and 100 metres

Roll diameter 70 cm

TERMS AND CONDITIONS OF STORAGE AND USE

Store in a dry place and protect from rain, dust and direct sunlight.
The grid should be free of dust, oil and other materials that could reduce adhesion to concrete or mortar.
Avoid excessive bending of the grid at any time.

Customers are responsible for verifying the suitability of the products described in this document for their intended use and purpose. Sace Components accepts no responsibility for improper use of the material. Customers are responsible for verifying that this data sheet and the data it contains are valid for the batch of product of interest and have not been superseded by subsequent editions and/or new product formulations or certifications. Customers are invited to preventively contact our Technical Department for further clarification. This edition cancels and replaces any previous edition(s). This technical data sheet is issued at the specific request of the customer and is, therefore, a special version.